Title (en)

SYSTEMS AND METHODS FOR ROUTE PLANNING BASED ON DEEP CONVOLUTIONAL NEURAL NETWORK

Title (de)

SYSTEME UND VERFAHREN ZUR ROUTENPLANUNG AUF DER BASIS EINES TIEFEN KONVOLUTIONALEN NEURALEN NETZWERKS

Title (fr)

SYSTÈMES ET PROCÉDÉS DE PLANIFICATION D'ITINÉRAIRE EN FONCTION D'UN RÉSEAU NEURONAL À CONVOLUTION PROFONDE

Publication

EP 3635336 A4 20200513 (EN)

Application

EP 17913785 A 20170613

Priority

CN 2017088061 W 20170613

Abstract (en)

[origin: WO2018227374A1] A method for route planning is disclosed. At least one device including at least one processor and a storage may implement the method. The method may include one or more of the following steps: obtaining a start location and a destination (610); obtaining a first intersection based on the start location and the destination/ obtaining a current intersection based on the exit of the intersection in the previous iteration (620); determining a target entrance of the intersection (630); determining a target exit of the intersection corresponding to the target entrance based on the road characteristic information (640); determining if the target exit on a same road segment is as the destination (650), if not, go to step 620, if yes, connecting the target entrances and target exits (660); generating a recommended route from the start location and destination (670).

IPC 8 full level

G01C 21/34 (2006.01)

CPC (source: EP US)

G01C 21/3446 (2013.01 - EP US); **G01C 21/3453** (2013.01 - US); **G01C 21/3484** (2013.01 - EP US); **G01C 21/3492** (2013.01 - EP US); **G06N 3/04** (2013.01 - US); **G06N 3/08** (2013.01 - US)

Citation (search report)

- [I] US 2016370192 A1 20161222 - MAISCHBERGER MIRKO [DE], et al
- [A] CN 106225797 A 20161214 - ENJOYOR CO LTD
- See references of WO 2018227374A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018227374 A1 20181220; CN 110691957 A 20200114; CN 110691957 B 20230512; EP 3635336 A1 20200415; EP 3635336 A4 20200513; US 10816349 B2 20201027; US 2020109959 A1 20200409

DOCDB simple family (application)

CN 2017088061 W 20170613; CN 201780091314 A 20170613; EP 17913785 A 20170613; US 201916705333 A 20191206